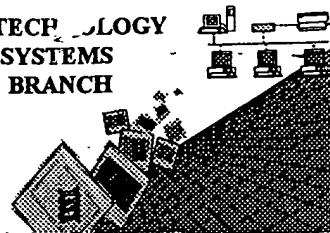


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BIOTECHNOLOGY
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0570
0703

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/057,531
Source: OIPB
Date Processed by STIC: 6/26/02

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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- 1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202**
- 3. Hand Carry directly to:**
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Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

OIKE

RAW SEQUENCE LISTING

DATE: 06/26/2002

PATENT APPLICATION: US/10/057,531

TIME: 09:43:21

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

W--> 3 /12
 9 <110> APPLICANT: Lyon, Jeffrey A.
 10 Angov, Evelina
 12 <120> TITLE OF INVENTION: Isolation and Purification of P. falciparum Merozoite
 Protein-142 Vaccine
 14 <130> FILE REFERENCE: 003/241/SAP
 16 <140> CURRENT APPLICATION NUMBER: US 10/057,531
 C--> 18 <141> CURRENT FILING DATE: 2002-06-14
 20 <150> PRIOR APPLICATION NUMBER: US 60/264,535, US 60/347,564
 W--> 22 <151> PRIOR FILING DATE: 2001-01-26, 2001-10-26
 24 <160> NUMBER OF SEQ ID NOS: 12
 26 <170> SOFTWARE: Apple Macintosh Microsoft Word 6.0

ERRORED SEQUENCES

28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 546
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial sequence
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 33 <223> OTHER INFORMATION: E. coli expressed P. falciparum MSP142 (3D7) Protein Sequence
 in pET-Trx42
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 37 1 5 10
 38 Asp Ser Phe Asp Thr Asp Val Leu Lys Ala
 39 15 20
 40 Asp Gly Ala Ile Leu Val Asp Phe Trp Ala
 41 25 30
 E--> 42 Glu Trp Cys Gly Pro Ccy Lys Met Ile Ala
 43 35 40
 44 Pro Ile Leu Asp Glu Ile Ala Asp Glu Tyr
 45 45 50
 46 Gln Gly Lys Leu Thr Val Ala Lys Leu Asn
 47 55 60
 48 Ile Asp Gln Asn Pro Gly Thr Ala Pro Lys
 49 65 70
 50 Tyr Gly Ile Arg Gly Ile Pro Thr Leu Leu
 51 75 80
 52 Leu Phe Lys Asn Gly Glu Val Ala Ala Thr
 53 85 90
 54 Lys Val Gly Ala Leu Ser lys Gly Gln Leu
 55 95 100

— Inhold amino designator

56 Lys Glu Phe Leu Asp Ala Asn Leu Ala Gly

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/057,531

DATE: 06/26/2002

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Input Set : A:\Sequence.txt

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57		105		110
58	Ser Gly Ser Gly His Met His His His His			
59		115		120
60	His His Ser Ser Gly Leu Val Pro Arg Gly			
61		125		130
62	Ser Gly Met Lys Glu Thr Ala Ala Ala Lys			
63		135		140
64	Phe Glu Arg Gln His Met Asp Ser Pro Asp			
65		145		150
66	Leu Gly Thr Asp Asp Asp Asp Lys Ala Met			
67		155		160
68	Ala Asp Ile Gly Ser Ile Glu Gly Arg Gly			
69		165		170
70	Thr Met Ala Ile Ser Val Thr Met Asp Asn			
71		175		180
72	Ile Leu Ser Gly Phe Glu Asn Glu Tyr Asp			
73		185		190
74	Val Ile Tyr Leu Lys Pro Leu Ala Gly Val			
75		195		200
76	Tyr Arg Ser Leu Lys Lys Gln Ile Glu Lys			
77		205		210
78	Asn Ile Phe Thr Phe Asn Leu Asn Leu Asn			
79		215		220
80	Asp Ile Leu Asn Ser Arg Leu Lys Lys Arg			
81		225		230
82	Lys Tyr Phe Leu Asp Val Leu Glu Ser Asp			
83		235		240
84	Leu Met Gln Phe Lys His Ile Ser Ser Asn			
85		245		250
86	Glu Tyr Ile Ile Glu Asp Ser Phe Lys Leu			
87		255		260
88	Leu Asn Ser Glu Gln Lys Asn Thr Leu Leu			
89		265		270
90	Lys Ser Tyr Lys Tyr Ile Lys Glu Ser Val			
91		275		280
92	Glu Asn Asp Ile Lys Phe Ala Gln Glu Gly			
93		285		290
94	Ile Ser Tyr Tyr Glu Lys Val Leu Ala Lys			
95		295		300
96	Tyr Lys Asp Asp Leu Glu Ser Ile Lys Lys			
97		305		310
98	Val Ile Lys Glu Glu Lys Glu Lys Phe Pro			
99		315		320
100	Ser Ser Pro Pro Thr Thr Pro Pro Ser Pro			
101		325		330
102	Ala Lys Thr Asp Glu Gln Lys Lys Glu Ser			
103		335		340
104	Lys Phe Leu Pro Phe Leu Thr Asn Ile Glu			
105		345		350

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/057,531

DATE: 06/26/2002

TIME: 09:43:21

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

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106 Thr Leu Tyr Asn Asn Leu Val Asn Lys Ile
107                               355           360
108 Asp Asp Tyr Leu Ile Asn Leu Lys Ala Lys
109                               365           370
110 Ile Asn Asp Cys Asn Val Glu Lys Asp Glu
111                               375           380
112 Ala His Val Lys Ile Thr Lys Leu Ser Asp
113                               385           390
114 Leu Lys Ala Ile Asp Asp Lys Ile Asp Leu
115                               395           400
116 Phe Lys Asn Pro Tyr Asp Phe Glu Ala Ile
117                               405           410
118 Lys Lys Leu Ile Asn Asp Asp Thr Lys Lys
119                               415           420
120 Asp Met Leu Gly Lys Leu Leu Ser Thr Gly
121                               425           430
122 Leu Val Gln Asn Phe Pro Asn Thr Ile Ile
123                               435           440
124 Ser Lys Leu Ile Glu Gly Lys Phe Gln Asp
125                               445           450
126 Met Leu Asn Ile Ser Gln His Gln Cys Val
127                               455           460
128 Lys Lys Gln Cys Pro Glu Asn Ser Gly Cys
129                               465           470
130 Phe Arg His Leu Asp Glu Arg Glu Glu Cys
131                               475           480
132 Lys Cys Leu Leu Asn Tyr Lys Gln Glu Gly
133                               485           490
134 Asp Lys Cys Val Glu Asn Pro Asn Pro Thr
135                               495           500
136 Cys Asn Glu Asn Asn Gly Gly Cys Asp Ala
137                               505           510
138 Asp Ala Thr Cys Thr Glu Glu Asp Ser Gly
139                               515           520
140 Ser Ser Arg Lys Lys Ile Thr Cys Glu Cys
141                               525           530
142 Thr Lys Pro Asp Ser Tyr Pro Leu Phe Asp
143                               535           540
144 Gly Ile Phe Cys Ser Ser
145                               545

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/057,531

DATE: 06/26/2002

TIME: 09:43:22

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

L:3 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:32 M:283 W: Missing Blank Line separator, <220> field identifier
L:34 M:283 W: Missing Blank Line separator, <400> field identifier
L:42 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
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L:153 M:283 W: Missing Blank Line separator, <400> field identifier
L:247 M:283 W: Missing Blank Line separator, <220> field identifier
L:249 M:283 W: Missing Blank Line separator, <400> field identifier
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L:372 M:283 W: Missing Blank Line separator, <400> field identifier
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